REMARKS

The claims have been amended by rewriting claims 2, 3, 6, 7, 9, 10, 12, 14, 15, 17-19, 21 and 22, and canceling claims 1 and 13. Claims 2-12 and 14-22 remain in the application.

Reconsideration of this application is respectfully requested.

Claims 1, 6-9, 12-13 and 21-22 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Haggerty, et al. (US Patent No. 6,331,983) in view of Deng, et al. (US Patent No. 6,208,647). Claims 3-5, and17-20 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Haggerty, et al. in view of Deng, et al., and in further view of Donahue, et al. (US Patent No. 6,266,339). Claims 10, 11 and 14 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Haggerty, et al. in view of Deng, et al., and further in view of Adelman, et al. (US Patent No. 6,006,259). However, claims 2, 15 and 16 are objected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form, including all other limitations of the base claim and any intervening claims.
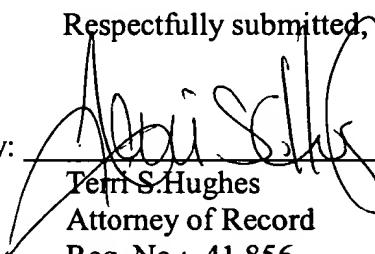
The Applicants have rewritten claims 2 and 15 in independent form, including all other limitations of the base claim and any intervening claims. Moreover, the Applicants have amended claim 22 to contain the limitation of allowable claim 2. Since claims 2, 15 and 22 are believed to be allowable, all claims that depend therefrom contain the limitations of these allowable claims and merely recite additional limitations that should not preclude patentablitlity.

Accordingly, this application is believed to be in proper form for allowance and an early notice of allowance is respectfully requested.

Please charge any fees associated herewith, including extension of time fees, to Deposit Account No. 13-4772.

Respectfully submitted,

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CLAIMS

Claim 1 was canceled without prejudice or disclaimer.

2. (Amended) [The method of claim 1,] A method comprising:

sending, from a sourcing host to one or more network devices, one or more packets addressed to a multicast group address;

issuing, by a receiving host, a join command to the one or more network devices in an attempt to reliably join the multicast group address;

determining whether any packets are received by the receiving host within a designated time period associated with the attempt; and

if any packets are received by the receiving host within the designated time period, determining that the receiving host is reliably joined to the multicast group address; otherwise, if any packets are not received by the receiving host within the designated time period, determining that the receiving host is not reliably joined to the multicast group address, wherein the sourcing and receiving hosts are selected from the group consisting of a portable wireless communication device, mobile wireless communication device, wireline communication device, wireless console, wireline console, repeater, site controller, comparator, telephone interconnect device, internet protocol telephony device, call logger, scanner and gateway.

3. (Amended) The method of claim [1] 2, wherein the packets comprise one of test packets and payload.

6. (Amended) The method of claim [1] 2 comprising sending, from a controller to the sourcing and receiving hosts, call grant messages including the multicast group address.

7. (Amended) The method of claim [1] 2 comprising sending, from a controller to the receiving host, indicia of whether the sourcing host is actively sourcing payload.

9. (Amended) The method of claim [1] 2, wherein the step of issuing a join command comprises, sending, from the receiving host, an IGMP Join message to one or more local network devices.

10. (Amended) The method of claim [1] 2 further comprising, if the receiving host is determined to not be reliably joined to the multicast group address,

issuing, by the receiving host, a leave command to the one or more network devices; and

re-attempting to reliably join the multicast group address, comprising:

issuing, by the receiving host, a second join command to the one or more network devices in a second attempt to reliably join the multicast group address;

determining whether any packets are received by the receiving host within a designated time period associated with the second attempt; and

if any packets are received by the receiving host within the designated time period, determining that the receiving host is reliably joined to the multicast group address; otherwise, if any packets are not received by the receiving host within the designated time period, determining that the receiving host is not reliably joined to the multicast group address.

12. (Amended) The method of claim [1] 2, wherein the step of determining whether any packets are received by the receiving host within a designated time period comprises the receiving host, after issuing the join command,

starting a timer having a predetermined expiration time; and

determining whether any packets addressed to the multicast group address are received by the receiving host before the expiration time.

Claim 13 was cancelled without prejudice or disclaimer

14. (Amended) The method of claim [13] 15 further comprising, if the second host is determined to not be reliably joined to the first multicast group address,

issuing, by the second host, a leave command to the one or more network devices; and

re-attempting to reliably join the first multicast group address, comprising:

issuing, by the second host, a second join command to the one or more network devices in a second attempt to reliably join the first multicast group address;

determining whether any packets are received by the second host within a designated time period associated with the second attempt; and

if any packets are received by the second host within the designated time period, determining that the second host is reliably joined to the first multicast group address; otherwise, if any packets are not received by the second host within the designated time period, determining that the second host is not reliably joined to the first multicast group address.

15. (Amended) [The method of claim 13 further comprising:] A method comprising:

_____ sending, from a controller to a first and second host desiring to participate in a point-to-point call, a first and second multicast group address;

_____ sending, from the first host to one or more network devices, one or more packets addressed to the first multicast group address;

_____ issuing, by the second host, a join command to the one or more network devices in an attempt to reliably join the first multicast group address;

_____ determining whether any packets are received by the second host within a designated time period associated with the attempt; and

_____ if any packets are received by the second host within the designated time period, determining that the second host is reliably joined to the first multicast group address; otherwise, if any packets are not received by the second host within the designated time period, determining that the second host is not reliably joined to the first multicast group address;

sending, from the second host to one or more network devices, packets addressed to the second multicast group address;

issuing, by the first host, a join command to the one or more network devices in an attempt to reliably join the second multicast group address;

determining whether any packets are received by the first host within a designated time period associated with the attempt; and

if any packets are received by the first host within the designated time period, determining that the first host is reliably joined to the second multicast group address; otherwise, if any packets are not received by the first host within the designated time period, determining that the first host is not reliably joined to the second multicast group address.

17. (Amended) The method of claim [13] 15, wherein the packets comprise one of test packets and payload.

18. (Amended) The method of claim [13] 15, wherein the payload comprises any one of an audio payload, a data payload, a video payload, and a multimedia payload.

19. (Amended) The method of claim [13] 15, wherein the step of sending packets comprises sending multiple test packets before sending payload.

21. (Amended) The method of claim [13] 15 wherein the step of sending first and second multicast group addresses comprises sending, from a controller to the first and second hosts, call grant messages including the first and second multicast group addresses.

22. (Amended) A communication system comprising:

a controller being operable to identify a multicast group address to be used for distributing packet information to participating host devices;

a packet network for distributing the multicast group address to the participating host devices, the packet network being adapted to set up a multicast distribution tree between participating devices having successfully joined the multicast group address; and

means for determining whether the participating host devices have reliably joined the multicast group address based on whether the participating host devices receive any packets on the multicast group address before expiration of a designated time period,

wherein the participating host devices are selected from a group consisting of a portable wireless communication device, mobile wireless communication device, wireline communication device, wireless console, wireline console, repeater, site controller, comparator, telephone interconnect device, internet protocol telephony device, call logger, scanner and gateway.